

NEW

CLINI'SAFE®

The safest choice
for Health Care
Establishments

PRODUCT FEATURES



Tested on the 3 criteria
in French Health Standard
NF S90-351: 2013
ISO 4 - CP5 - M1



5 Cleaning
methods



Fire reaction: A1

CLINI'SAFE®

The safest choice for Health Care Establishments

The French Standard NF S90-351: 2013, control of airborne contamination, is applicable to Health Care Establishments and similar centres. This new standard replaces Standard NF S90-351 2003 and revises some of its characteristics.

THE MAIN THREE CRITERIA IN FRENCH STANDARD NF S90-351: 2013

• Control of Air Particle: ISO class

? Determines the concentration of particles emitted by the ceiling into the room.

💡 Lower the ISO rating, less polluting is the ceiling

• Kinetics of particle decontamination - Expressed in CP (minutes)

? Represent the time necessary to achieve 90% decontamination from an initial pollution peak.

💡 The shorter the time, the less the ceiling retains pollution

• Microbiological cleanliness - The classification is expressed by an index between 1 and 100

? - Certifies that the ceiling is not conducive to the development of bacteria.
- The bacteriological class (B) becomes the microbiological cleanliness-class (M) in August 2013.

BEFORE	AFTER
B100	M100
B10	M10
B5	M1
B1	M1

💡 The lower the index, the more resistant is the ceiling to the proliferation of bacteria

APPLICATION ZONES:

Health Care Establishments are classified in four zones depending on the usage made of the room, the vulnerability of the patient, the risk of biocontamination, the nature and duration of care administered to the patient, etc.



Zone 1: Low risk zone : Corridors, waiting rooms, reception.
No specific requirements.



Zone 2: Medium risk zone : Multi-function room, imagery room.
Requirements in standard: ISO 8 - CP20 - M100



Zone 3: High risk zone : Cardiovascular surgery room, obstetrics room, operational imagery room.
Requirements in standard: ISO 7 - CP10 - M10




Zone 4: Very high risk zone : Prosthetic orthopaedics room, operating theatre.
Requirements in standard: ISO 5 - CP5 - M1






Performances adapted to Health Care Establishments

The Clini'Safe® ceiling range satisfies safety requirements for all zones. It provides patients and healthcare personnel with the necessary acoustic comfort due to a high alphasabin coefficient. It also has a very good light reflection coefficient that contributes to the well-being of users (patients and healthcare personnel).

+ SAFETY

- Tested on the 3 criteria of French Health Standard **NF S90-351: 2013**
- Fire reaction: **A1**
- Fire resistance: **SF 30⁽¹⁾**
-  Clini'Safe® A 15 mm ceilings (600 x 600 and 1200 x 600 mm) installed on a **QUICK-LOCK®**, T24 frame are **SF 30⁽¹⁾** according to Belgium Standard NBN 713-020.
- No **sagging** regardless of the moisture content

+ CLEANLINESS

- Cleaning methods tested by an independent laboratory
-  - **Compressed air**
-  - **Wet sponge with or without detergent/disinfectant**
-  - **Wet steam with dry cloth**

+ COMFORT

- Acoustic absorption: $\alpha_w = 0.90$
- Light reflection index: **85%**

⁽¹⁾ See reference classification report

CLINI'SAFE® CEILING ACCORDING TO THE STANDARD FOR HEALTH CARE ESTABLISHMENT


CONTROL OF AIRBORNE PARTICLES
ISO4
KINETIC OF PARTICLE DECONTAMINATION
CP5
MICRO BIOLOGICAL CLEANLINES
M1 (according to strain)
M10 (according to strain)
RISK ZONE
Zone 4
Zone 3

Clini'Safe®



CLINI'SAFE®

+ SAFETY

- **The 3 criteria in French standard NF S90-351 2013.**
 - Clini'Safe® ceilings do not create pollution:
Based on the Control of Airborne Particles in Standard ISO 14644-1: ISO 4.
 - Clini'Safe® ceilings do not retain pollution: **According to the rate of Kinetic of particle decontamination : CP5.**
 - Clini'Safe® ceilings prevent bacteria from developing:
According to the microbiological cleanliness class: M1⁽¹⁾ or M10⁽¹⁾ depending on the strains tested.
- **Fire safety.**
 - Clini'Safe® ceilings have the best possible classification in terms of fire reaction: **A1, incombustible.**
 -  Clini'Safe® A 15 mm ceilings used on a **QUICK-LOCK®** frame give a fire reaction equal to: **SF 30⁽²⁾** according to standard NBN 713-020.
- **Resistance to humidity.**
 - Clini'Safe® ceilings **remain perfectly flat** regardless of the humidity due to the intrinsic qualities of Eurocoustic stone wool.

⁽¹⁾ See certificates

⁽²⁾ See reference classification report

+ CLEANLINESS

- **Clean and easily maintained ceilings.**
 - **5 cleaning methods tested by an independent laboratory**
 - For each type of soiling medium, the laboratory recommends a tested cleaning method.

Dust			Dirty water + dust		Grease
					
Compressed air	Wet sponge	Wet steam + dry cloth	Wet sponge with detergent	Wet sponge with disinfectant	Wet steam + dry cloth

- **Increased resistance to manipulation** due to its high density stone wool panel and its easy-to-clean painted finish.

ZOOM ON TESTED BACTERIA

STREPTOCOCCUS PNEUMONIAE:
Most common cause of bacterial meningitis and pneumonia.

ASPERGILLUS BRASILIENSIS (NIGER):
Can cause permanent hearing loss, or even death of the patient, when immunodeficient.

BACILLUS CEREUS:
Responsible for opportunist food poisoning.

ESCHERICHIA COLI:
Can be pathogenic leading to gastroenteritis, urine infections, meningitis or septicemia.

CANDIDA ALBICANS:
Causes fungal infections essentially in digestive and gynaecological mucous membranes.

ACINETOBACTER BAUMANII:
At the origin of a variety of occasionally severe infections (lung infections, infections of wounds or burns, etc.).

STAPHYLOCOCCUS AUREUS RESISTANT TO METICILLIN:
Causes suppurative skin infections, otitis and sinusitis, acute myositis, infections of the respiratory tract, phlebitis, meningitis, bone infections, etc.

KLEBSIELLA PNEUMONIAE:
Active in the case of nosocomial pneumonia.

+ COMFORT

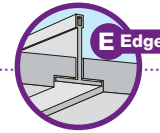
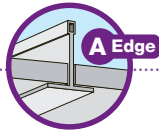
- **Comfort in rooms.**

- Acoustic absorption: Clini'Safe® ceilings have an $\alpha_w = 0.90$.
- High coefficient of light reflection: Clini'Safe® ceilings have a coefficient of light reflection higher than **85%**, so that users can benefit from more luminosity and a more comfortable environment.

THE CHOICE AND PERFORMANCES

Dimensions:

	CLINI'SAFE® A	CLINI'SAFE® E
Thickness (mm)	15	15
Modules dimensions (mm)	600 x 600 1200 x 600	600 x 600 1200 x 600



Colours, decors and finishes:

Colour:

White



Finish:

Painted face and edges



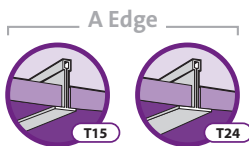
Stay connected with **CLINI'SAFE®**



VIEW THE
CLINI'SAFE® VIDEO

YouTube OR



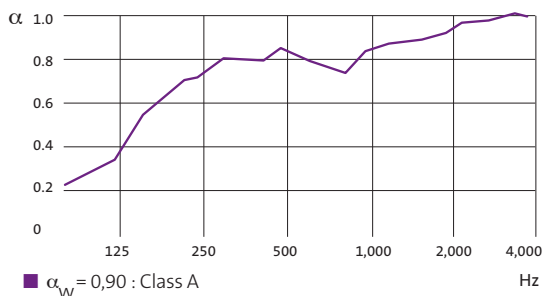


15 mm Clini'Safe® A

- > Rigid stone wool self-supporting panel
- > Painted with a white finish on the visible side
- > Painted edges
- > Reinforced by a natural glassfibre veil on the reverse side



Acoustic absorption



Light reflection

- The light reflection coefficient is greater than 85% for white.



Fire reaction

- According to standard EN 13501-1: Euroclass A1 for white.



Fire resistance:

- Clini'Safe® A 15 mm (600 x 600 and 1200 x 600 mm) ceilings installed with a T24 **QUICK-LOCK®** FRAME (see reference test report) satisfy the requirements of clause C013 in the fire regulations for ERP (buildings open to the public).



Resistance to humidity

- No sagging regardless of the moisture content.



CE marking

- DoP No: 0007-04



Indoor air quality

- Clini'Safe® A 15 mm ceilings are class A.



Behaviour in Health Care Establishment

- French Standard NF S90-351: 2013, control of airborne contamination:

Zones	Control of Airborne Particles	Kinetics of Particle Decontamination	Microbiological cleanliness
4	ISO 5	CP5	M1
3	ISO 7	CP10	M10
2	ISO 8	CP20	M100

- Clini'Safe® A 15 mm ceilings satisfy microbiological requirements for type 4 and 3 zones:

Zones	Control of Airborne Particles	Kinetics of Particle Decontamination	Microbiological cleanliness	Tested bacteria
4	ISO 4	CP5	M1	Escherichia coli, Klebsiella pneumoniae, Aspergillus niger, Candida albicans
3	ISO 4	CP5	M10	Acinobacter baumannii, Bacillus cereus, Streptococcus pneumoniae, Staphylococcus aureus resistant to methicillin (SARM)



Installation

- It should comply with the requirements of standards in force depending on the nature of the rooms.
- It is recommended that air circulation should be provided between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Clini'Safe® A 15 mm ceilings are placed on a T15 - T24 frame.
- Tiles are cut without noise or dust using a cutter.



Cleaning

- The painted surface of Clini'Safe® A 15 mm ceilings does not retain dust, which makes it easier to clean.
- Clini'Safe® A 15 mm ceilings can be cleaned with a lightweight brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- Clini'Safe® A 15 mm ceilings are resistant to the most widely used disinfectants in hospitals, with a base of hydrogen peroxide, chlorine dioxide and glutaraldehyde.
- Appropriate cleaning will help lengthen Clini'Safe® A 15 mm ceilings life duration.

SUMMARY TABLE

Colours	White
Edges	A
Frames	T15 - T24

Module dimensions (mm)

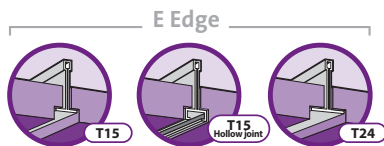
Width	600	600
Length	600	1200
Thickness	15	15

Packaging

Panels / Pack	24	12
m ² / Pack	8.64	8.64
Packs / Pallet	22	22
Service class	A	C

Clini'Safe® A 15 mm ceilings are packaged in 6-sided boxes. All Eurocoustic packs are shrink-wrapped.



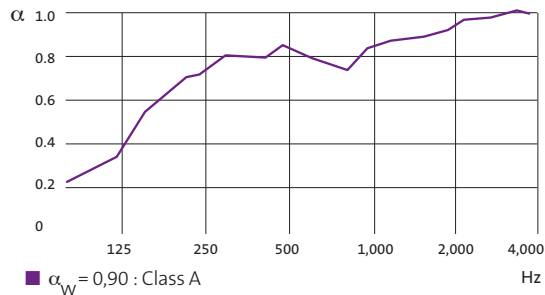


15 mm Clini'Safe® E

- > Rigid rock wool self-supporting panel
- > Painted white finish on the visible face
- > Painted edges
- > Reinforced by a natural glass facing on the reverse side



Acoustic absorption



Light reflection

- The light reflection coefficient is greater than 85% for white.



Fire reaction

- According to standard EN 13501-1: Euroclass A1 for white.



Resistance to humidity

- No sagging regardless of the moisture content.



CE marking

- DoP No: 0007-04



Indoor air quality

- Clini'Safe® E 15 mm ceilings are class A.



Behaviour in hospitals and clinics

- Standard NF S90-351: 2013, control of airborne contamination:

Zones	Control of Airborne Particles	Kinetics of Particle Decontamination	Microbiological cleanliness
4	ISO 5	CP5	M1
3	ISO 7	CP10	M10
2	ISO 8	CP20	M100

- Clini'Safe® E 15 mm ceilings satisfy microbiological requirements for type 4 and 3 zones:

Zones	Control of Airborne Particles	Kinetics of Particle Decontamination	Microbiological cleanliness	Tested bacteria
4	ISO 4	CP5	M1	Bacillus cereus, Streptococcus pneumoniae, Aspergillus niger, Candida albicans
3	ISO 4	CP5	M10	Klebsiella pneumoniae, Staphylococcus aureus resistant to methicillin (SARM)



Application

- Shall comply with the requirements of standard in force depending on the nature of the rooms.
- It is recommended that air circulation should be provided between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Clini'Safe® E 15 mm ceilings are placed on a T15 - T15 hollow joint - T24 frame.
- Tiles are cut without noise or dust using a cutter.



Cleaning

- The painted surface of Clini'Safe® E 15 mm ceilings does not retain dust, which makes it easier to clean.
- Clini'Safe® E 15 mm ceilings can be cleaned with a lightweight brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- Clini'Safe® E 15 mm ceilings resist to the most widely used disinfectants in hospitals, based on hydrogen peroxide, chlorine dioxide and glutaraldehyde.
- Appropriate cleaning will help lengthen Clini'Safe® E 15 mm ceilings life duration.

SUMMARY TABLE

Colours	White
Edges	E
Frames	T15 - T15 hollow joint - T24

Module dimensions (mm)

Width	600	600
Length	600	1200
Thickness	15	15

Packaging

Panels / Pack	24	12
m ² / Pack	8.64	8.64
Packs / Pallet	22	22
Service class	A	C

Clini'Safe® E 15 mm ceilings are packaged in 6-sided boxes. All Eurocoustic packs are shrink-wrapped.



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